

HEAT RECOVERY VENTILATION UNIT

SITALI CX 550

Flow rate	520 m³/h
Type	ducted
Technology	cross-flow heat recovery
Installation	vertical



Integrated physical bypass

It allows for the heat exchanger to be partially bypassed during the summer, offering the possibility of using fresh outdoor air to cool the rooms ("free cooling").

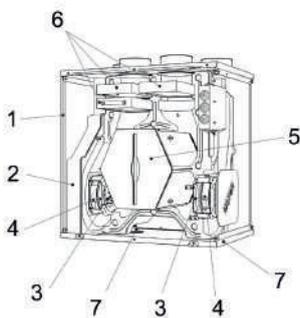
Dual-flow heat recovery unit

Heat from the air extracted from inside the rooms is transferred to the fresh air supplied from outside, reducing the activation of the heating system and improving the building's energy performance.



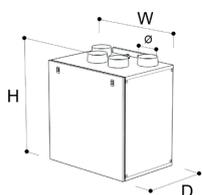
- Air Replacement**
- Antifrost**
- Bypass**
- Holiday**
- Filter Cleaning Signal**
- Silent Mode**
- Turbo**

LAYOUT



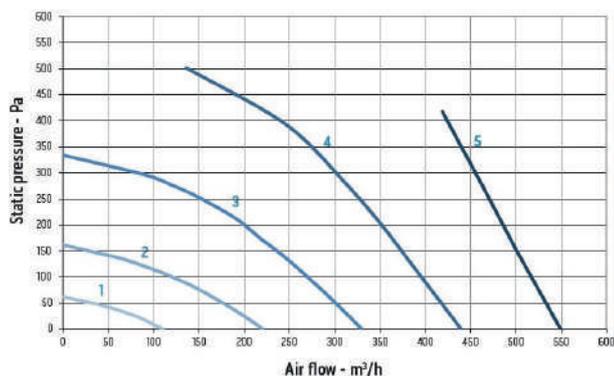
1. External panel in galvanised and pre-painted steel RAL 9010
2. Expanded polypropylene structure to reduce thermal bridges and sound emission, while ensuring maximum airtightness
3. Energy-efficient external rotor EC motors, equipped with thermal protection and mounted on ball bearings to ensure long life
4. Centrifugal-type fan with dynamically balanced backward-curved blades, coupled to the motor
5. High-efficiency cross-flow, counter-current heat exchanger
6. ISO Coarse 0% (G4) filters, removable from outside (no need to remove the access panel for maintenance)
7. Dual condensate drain, usable according to climatic requirements

DIMENSIONS AND WEIGHT



		550
W	mm	778
H	mm	860
D	mm	549
Ø	mm	148
WEIGHT	kg	44

SUPPLY BENDS



	Speed %	W max	m³/h max
1	20	17	110
2	40	44	221
3	60	110	330
4	80	264	440
5	100	333	550

Input curves in accordance with European Regulation 1253/2014 (ErP)

COMPATIBLE ACCESSORIES

EXTERNAL DISTRIBUTION	B1067	Ø150mm ABS external grille
	B1069	Flex ALU ISO Ø160mm
	B1075	Ø150mm wall passage
	B1105	Ø150mm telescopic pipe
	B1114	EPE pipe DN150 L=2m
	B1115	EPE 90 bend DN150
	B1116	EPE coupling DN150
INTERNAL DISTRIBUTION	B1117	EPE collar DN150
	B1058	E-I design vent Ø80mm
	B1055	E-I design vent Ø100mm
	B1056	E-I design vent Ø125mm
	B1057	E-I design vent Ø150mm
	B1070	FT-White grille 200x100mm
	B1072	FT-White grille 300x100mm

INTERNAL DISTRIBUTION	B1071	FT-Metal grille 200x100mm
	B1073	FT-Metal grille 300x100mm
	B1059	Flex HDPE 75/63
	B1054	FLEX HDPE 75/63 90° adaptor
	B1076	Blue HDPE 75/63 FLEX hooks
	B1077	Red HDPE 75/63 FLEX hooks
	B1078	FLEX HDPE 75/63 90° bend
	B1087	FLEX HDPE 75/63 coupling
	B1088	O-Ring FLEX HDPE 75/63
	B1098	Plenum P Ø150mm - 10 outlets (for Flex HDPE)
	B1099	Plenum P Ø150mm - 15 outlets (for Flex HDPE)
	B1092	Plenum L 200x100mm - 1 coupling (for Flex HDPE)
	B1093	Plenum L 300x100mm - 2 couplings (for Flex HDPE)
	B1011	Plenum P 200x100mm - 1 coupling (for Flex HDPE)

INTERNAL DISTRIBUTION	B1102	Plenum P 300x100mm - 2 couplings (for Flex HDPE)
	B1091	Plenum LCS 200x100mm - 1 coupling (for Flex HDPE)
	B1089	Plenum L 140x140mm - 1 coupling (for Flex HDPE)
	B1090	Plenum P 200x200mm - 2 couplings (for Flex HDPE)
	B1097	Plenum P 140x140mm - 1 coupling (for Flex HDPE)
	B1100	Plenum P 200x200mm - 2 couplings (for Flex HDPE)
	B1106	CAL80 damper
	B1107	METAL EST 125 valve
	B1108	PP EST-MM 125 valve
	B1109	METAL IMM 125 valve
FILTRATION	B1085	F7 filter
	B1086	G4 filter

TECHNICAL DATA

		Sitali CXVA 550
Product code		99243
EAN code		8021183992434
Hole diameter	mm	148
Maximum flow rate @100 Pa	m³/h	520
Electrical power consumption (at the maximum flow rate)	W	333
SEC class (local demand control) (1)	(1)	A
SEC class (central demand control) (1)	(1)	A
SEC class (manual control - No demand control ventilation) (1)	(1)	B
Thermal efficiency	%	82
Reference flow rate	m³/h	364
Reference pressure difference	Pa	50
Specific power consumption (SPI)	W/m³/h	0,412
Sound power level (LWA)	dB(A)	58
Electrical power supply		220-240V~/50-60Hz
IP protection rating		IPX4
Sound pressure @3m (2)	(2) dB(A)	34
Room temperature (max)	°C	+40

Energy efficiency classes refer to a range between A+ and G.